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THE REVIEW OF APPLIED ENTOMOLOGY.

239

SERIES B: MEDICAL AND VETERINARY.

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FOREWORD.

A widespread demand for a ten years' index to the Medical Series of the "Review of Applied Entomology" has arisen, not only because it would enhance the value of the Review as a work of reference, but also because the numerous changes in synonymy during the period involved have resulted in the insects often being recorded under different names in different volumes.

Owing to the vast number of entries and the great expense of an index of this character, it has been found necessary to confine it to the Arthropod names only. For entries under the diseases and blood parasites, their vertebrate hosts, the countries in which they occur, etc., the reader is referred to the annual indices published with each volume.

The general arrangement of the index is identical with that of the annual indices except that in the case of the list of authors reference is restricted to those whose papers have been actually abstracted, casual mention of authors in the text being omitted.

In the case of scientific names the page reference is cited only under the heading of the generic name.

When an alternative name is printed in brackets, it signifies that it is not the one here adopted, but in the case of certain mosquitos the valid sub-generic name, which in the view of some authors should have the status of a genus, is distinguished by an asterisk.

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Aëdes (**Stegomyia*) *argenteus*, Poir. (*aegypti*, L., *calopus*, Mg., *fasciata*, F., *rossi*, Giles), in E. Africa, VIII. **164**, X. **94, 223**; in S. Africa, IV. **120**, IX. **128**; in W. Africa, I. **52**, II. **27, 58, 84, 93, 117, 135**, III. **1, 12, 188**, IV. **21, 44, 45, 66, 81, 112, 148, 150, 159, 161–164, 165**, V. **3, 39, 45**, VI. **15, 16, 47, 48, 202, 225**, VII. **81, 169**, VIII. **11, 12, 217**, IX. **21, 42**, X. **114, 167, 225, 226, 234**; in Argentina, V. **113**, VII. **181**, VIII. **163**; in Australia, I. **11**, II. **12**, III. **30, 37, 207**, IV. **10, 11, 60, 73, 135, 148, 149, 196**, V. **68**, VI. **62, 227**, VII. **61, 176**, VIII. **38, 173**, IX. **118, 128**, X. **168, 233**; in the Balkans, IV. **179**, V. **87**, VI. **162, 201**, VIII. **87**; in Belgian Congo, III. **121**; on Black Sea Coast, VI. **78**; absent from Biskra, III. **230**; in Brazil, II. **164**, III. **70**, IV. **37**, VI. **91**, VIII. **25**, IX. **202**, X. **158, 233**; in Canary Islands, X. **31**; in Ceylon, II. **70**, IX. **147**; in Cochin-China, I. **57**; intercepted from Colombia, IX. **108**; in Costa Rica, X. **31**; in Crete, IX. **82**; in Ecuador, IV. **149**, VI. **30, 192**, VII. **162**, IX. **6, 128**, X. **4**; in Egypt, III. **10**, VIII. **35**, IX. **99**; found in Epping Forest, VIII. **13**; in Far Eastern ports, I. **236**, II. **28, 111**, III. **141**, IV. **39**, VIII. **113**, X. **103**; in Fiji, IV. **41**, X. **77**; in Formosa, VI. **50**; in S. France, IV. **40**, VI. **23**; in British Guiana, I. **125**, VII. **134, 179**, IX. **2, 135**, X. **33, 217**; in Dutch Guiana, VII. **6**; in French Guiana, VI. **160**; in Hawaii, V. **17**, VI. **163**, IX. **38**; in India, I. **79, 143, 162, 163, 219**, II. **193**, III. **40, 162**, IX. **124, 125**, X. **68, 79**; in Dutch E. Indies, IV. **23**, VI. **213**; in Italy, VI. **51**; probably not occurring in Japan, X. **154**; in Madagascar, VII. **16, 17**, IX. **68**; in Malaya, X. **158**; in Mesopotamia, VII. **102**, VIII. **111**, IX. **146**; in Mexico, III. **11**, IX. **121**; in Morocco, IV. **40, 85**; not occurring in New Zealand, VII. **180**, IX. **75**; in Palestine, II. **100**, IX. **99**; in Panama Canal Zone, IV. **97**, VII. **127**, VIII. **32, 186**, IX. **108**; in Papua, III. **153**; in Peru, III. **25**, X. **130**; in Philippines, VII. **103, 193**; in Principe, IV. **49**; in Samoa, II. **51**; in Somaliland, II. **7**; in Sudan, V. **179**, VII. **111**; in Syria, VI. **217**, IX. **99**; in Tunis, VI. **106**; in U.S.A., IV. **61, 136**, VI. **210**, VIII. **58, 78, 116, 187**; in Venezuela, X. **62**; in West Indies, I. **99, 112, 125**, II. **13, 24**, III. **2, 69, 83, 222**, IV. **69**, V. **53, 60**, IX. **150**, X. **59**; in Zanzibar, III. **49**, V. **147**, VI. **123**; a possible carrier of Baghdad boil, VII. **102**; and dengue, IV. **73, 148, 149, 196**, V. **68, 113, 153**, VI. **13, 213**, VII. **7, 17, 61**, IX. **127, 128**; and

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Aëdes argenteus luciensis, Theo., in French Guiana, VI. **160**.

Aëdes (**Finlaya*) *argyrithorax*, B.-W. & B., described as new from Dutch Guiana, VIII. **60**; allied to *A. terrens*, X. **55**.

Aëdes (*Ochlerotatus*, **Pseudoskusea*) *ashworthi*, Edw., described as new from W. Australia, IX. **133**.

Aëdes (**Stegomyia*) *ater*, Tayl., described as new, II. **135**; referred to *Rachionotomyia*, *q.v.*

Aëdes (**Finlaya*) *auridorsum*, Edw., described as new from Australia, X. **153**.

Aëdes (*Culex*, **Ochlerotatus*) *aurifer*, Coq., in U.S.A., I. **22**, IV. **170**; breeding-places of, IV. **170**.

Aëdes (**Skusea*) *aurimargo*, Edw., described as new from Australia, X. **153**.

Aëdes (**Ochlerotatus*) *auroides*, Felt, in U.S.A., V. **161**.

Aëdes (**Finlaya*) *auronitens*, Edw., described as new from India, X. **197**.

Aëdes (**Finlaya*, *Leucomyia*) *australiensis*, Theo. var. *papuensis*, Tayl., in Papua, III. **153**.

Aëdes (*Culex*, **Ochlerotatus*) *australis*, Erich., in New South Wales, III. **37**, **207**, IV. **182**.

Aëdes (**Aëdimorphus*) *australis*, Tayl. (see *A. tremula*).

Aëdes australis darwini, Tayl. (see *A. tremula*).

Aëdes (**Skusea*) *bancrofti*, Tayl., described as new from Queensland, III. **37**.

Aëdes (**Finlaya*) *banksi*, Edw., described as new from Philippines, X. **197**.

Aëdes (**Pseudoskusea*) *basalis*, Tayl. (see *A. funereus*).

Aëdes (**Ochlerotatus*) *berlandi*, Séguy, described as new from France, IX. **193**; a variety of *A. pulchritarsis* (*q.v.*), X. **154**.

Aëdes (**Aëdimorphus*, *Ochlerotatus*) *bevisi*, Edw., described as new, III. **115**; in Natal, III. **115**, IV. **120**.

Aëdes (**Ochlerotatus*) *bimaculatus*, Coq., larva of, in N. Carolina, VII. **106**, IX. **51**.

Aëdes (*Culex*, **Finlaya*) *biocellatus*, Tayl., described as new, III. **30**; in Australia, III. **30**, **37**, **207**.

Aëdes (*Grabhamia*) *broquettii*, Theo. (see *A. dorsalis*).

Aëdes (**Stegomyia*) *buscki*, Coq., breeding-places of, in Grenada, V. **54**.

Aëdes butleri, Theo., in Philippines, VII. **193**.

Aëdes (*Grabhamia*, **Ochlerotatus*) *caballus*, Theo., described as new, I. **140**; in Transvaal, I. **140**, IX. **128**.

Aëdes (**Pseudoskusea*) *cairnsensis*, Tayl., in Queensland, VII. **139**.

Aëdes (**Aëdimorphus*, *Ochlerotatus*) *caliginosus*, Grah., in W. Africa, IV. **66**, **150**, IX. **42**.

Aëdes (**Ochlerotatus*) *callithotrys*, Dyar, described as new from Canada, VIII. **101.**
Aëdes calopus, Mg. (see *A. argenteus*).
Aëdes (**Ochlerotatus*) *campestris*, D. & K., in U.S.A., VI. **8, 165,** IX. **9**; breeding in salt marshes, IX. **9.**
Aëdes (**Ochlerotatus*) *camposanus*, Dyar, described as new from Ecuador, VII. **22.**
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Aëdes (**Ochlerotatus*) *caspius*, Pall. (*dorsalis*, Theo. nec Mg., *longisquamosus*, Theo., *punctatus*, Mg.), in N. Africa, VI. **141**; in Britain, X. **16**; in Canary Islands, X. **31**; in Caucasus, X. **10**; in Denmark, IX. **83**; in Egypt and Palestine, III. **10,** VIII. **35,** IX. **99,** X. **209**; in Finland, X. **166**; in France, VII. **99,** VIII. **76,** IX. **38, 49**; in Italy, VII. **156**; in Macedonia, VI. **162, 201,** IX. **92**; in Mesopotamia, VIII. **111**; in Sweden, X. **87**; breeding-places of, VII. **99,** VIII. **35,** IX. **92, 99**; effect of drought on, X. **16**; value of fish against, X. **209**; larva of, X. **128**; synonymy of, VIII. **35, 49,** IX. **83.**†
Aëdes caspius var. *hargreavesi*, Edw., described as new from Italy, VIII. **50.**
Aëdes (**Ochlerotatus*) *cataphylla*, Dyar (*prodotes*, Dyar), described as new, V. **5**; in Canada, VII. **105**; in Finland, X. **166**; in Sweden, X. **87**; in U.S.A., V. **5,** VI. **8, 49,** X. **130**; breeding-places of, VII. **105,** X. **130**; *A. rostochiensis* distinct from, X. **154.**
Aëdes (**Aëdimorphus*, *Culicelsa*, *Ochlerotatus*) *centropunctatus*, Theo., described as new from Sudan, II. **45.**
Aëdes ceylonicus, Edw., described as new from Ceylon, V. **53.**
Aëdes (**Ochlerotatus*) *chelli*, Edw., described as new from E. Africa, III. **115.**
Aëdes (**Stegomyia*) *chemulpoensis*, Yam., described as new, X. **147**; in Korea, X. **147, 154.**
Aëdes (**Stegomyia*) *christianus*, Dyar, described as new from China, IX. **207.**
Aëdes (**Finlaya*) *christophersi*, Edw., described as new from India, X. **197.**
Aëdes (**Ochlerotatus*) *cinereoborealis*, Felt & Young, in Canada, III. **155,** VII. **106.**
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Aëdes concinnus, Steph. (see *A. sticticus*).

Aëdes (*Culex*, **Ochlerotatus*) *confirmatus*, Lynch (see *A. scapularis*).

Aëdes consobrinus, auct. nec R.–D. (see *Theobaldia inornata*).

Aëdes (**Stegomyia*) *cretinus*, Edw., described as new from Crete, X. **18.**

Aëdes (*Culex*, **Ochlerotatus*) *crinifer*, Theo., in Brazil, VIII. **26.**

Aëdes (**Aëdimorphus*, *Ecculex*) *culicinus*, Edw., described as new from India, X. **197.**

Aëdes (**Aëdimorphus*, *Culex*, *Ochlerotatus*) *cumminsi*, Theo., in Belgian Congo, I. **220**; in Nigeria, IV. **66, 112**; in Transvaal, I. **140.**

Aëdes (*Culicada*, *Ochlerotatus*) *cumpstoni*, Tayl. (see *A. queenslandis*).

Aëdes (**Ochlerotatus*) *curriei*, Coq. (see *A. dorsalis*).

Aëdes curtipes, Edw., described as new from Borneo, III. **115.**

Aëdes (**Ochlerotatus*) *cyclocerculus*, Dyar, described as new from Canada, VIII. **101.**

Aëdes (**Ochlerotatus*) *cyprius*, Ludl., described as new from Siberia, VIII. **59**; a synonym of *A. luiescens* (*q.v.*), X. **18.**

Aëdes (**Pseudoskusea*, *Stegomyia*) *daliensis*, Tayl., described as new from Australia, V. **230.**

Aëdes decticus, H., D. & K. (see *A. impiger*).

Aëdes degustator, Dyar, breeding-places of, in Illinois, X. **93.**

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Aëdes (**Stegomyia*) *dendrophilus*, Edw., described as new, IX. **133**; in Gold Coast, IX. **133,** X. **167**; breeding-places of, X. **167.**

Aëdes (**Aëdimorphus*, *Ochlerotatus*) *dentatus*, Theo., in Natal, IV. **120.**

Aëdes (**Ochlerotatus*) *detritus*, Hal. (*salinus*, Fic.), VIII. **49**; in Britain, X. **120, 185**; in Canary Islands, X. **31**; in Denmark, IX. **82**; in Germany, VIII. **14**; breeding-places of, in Palestine, IX. **99**; likely to occur in Sweden, X. **88**; fish used against, X. **185.**

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Aëdes (*Culex*, *Culicada*, **Ochlerotatus*) *diversus*, Theo. (see *A. rusticus*).

Aëdes dolosa, Lynch (see *Culex*).

Aëdes (*Ochlerotatus*) *domesticus*, Theo., in Gold Coast, V. **3**; in Nigeria, IV. **66.**

Aëdes (*Culex*, *Grabhamia*, **Ochlerotatus*) *dorsalis*, Mg. (*curriei*, Coq., *grahami*, Ludl., *lativittatus*, Coq., *onondagensis*, Felt, *quaylei*, D. & K.), in Balkans, VIII. **87,** IX. **20**; in Britain, VII. **190**; in Canada, VI. **178,** VII. **106,** VIII. **101**; in Denmark, VII. **171,** IX. **83**; in Finland, X. **166**; in France, IX. **38**; in Germany, II. **78, 100,** VI. **212,** VII. **69,** VIII. **27, 214**; described as *A. grahami*, sp. n., from Siberia, VIII. **59**; in Sweden, X. **87**; in U.S.A., V. **161,** VI. **7, 8, 9, 65, 70, 146, 223,** VIII. **104**; breeding-places of, II. **100,** V. **161,** VI. **7, 8, 212,** VII. **190**; bionomics of, VI. **65**; characters of larva of, X. **128**; synonymy of, VIII. **49,** IX. **83,** X. **18.**†

Aëdes dorsalis, auct. nec Mg. (see *A. caspius*).

Aëdes (*Ochlerotatus*) *dorsovittatus*, Vill. (see *A. sticticus*).

Aëdes dupreei, Coq., in New Jersey, I. **119**; in Costa Rica, X. **31.**

Aëdes (**Aëdimorphus*, *Ochlerotatus*) *durbanensis*, Theo., distribution of, in Africa, IV. **120.**

Aëdes dyari, Coq. (see *Theobaldia*).

Aëdes (**Ochlerotatus*) *dysanor*, Dyar, described as new from U.S.A., IX. **88.**

Aëdes (**Finlaya*, *Ochlerotatus*) *eatoni*, Edw., described as new from Madeira, IV. **64.**

Aëdes (**Finlaya*, *Ochlerotatus*) *echinus*, Edw., described as new

† Some of the earlier references may refer to *A. caspius*.

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Aëdes epinolus, D. & K., described as new, II. **97**; in Ecuador and Peru, II. **97**, VI. **86**.
Aëdes (**A.*) *esoensis*, Yam., described as new, X. **147**; in Japan, X. **147, 154**.
Aëdes (**Ochlerotatus*) *eucephalaeus*, Dyar, described as new from Surinam, VII. **22**.
Aëdes (**Finlaya*) *eucleptes*, Dyar, described as new from China, IX. **207**.
Aëdes (**Ochlerotatus*) *excrucians*, Wlk. (*abfitchi*, Felt), in Canada, VII. **105**; in Denmark, IX. **82**; in Finland, X. **165**; in Germany, VIII. **214**; in Sweden, X. **87**; in U.S.A., I. **119**, IV. **170**, V. **161**, X. **203**; breeding-places of, IV. **170**, VII. **105**; synonymy of, IX. **83**, X. **131**.
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Aëdes (*Ochlerotatus*) *fergusoni*, Tayl. (see *Culex*).
Aëdes (**Ochlerotatus*) *fisheri*, Dyar, described as new from California, VI. **49**.
Aëdes (**Ochlerotatus*) *fitchi*, Felt & Young, in Canada, VII. **106**; bionomics of, in New York, X. **203**.
Aëdes (*Culex, Culicada, *Ochlerotatus*) *flavifrons*, Skuse, in New South Wales, II. **149**, III. **37**.
Aëdes (*Grabhamia*) *flavifrons*, Theo. (see *A. theobaldi*).
Aëdes (**Stegomyia*) *flavopictus*, Yam., described as new, X. **147**; in Japan and Korea, X. **147, 154**.
Aëdes (**Ochlerotatus*) *fletcheri*, Coq. (see *A. lutescens*).
Aëdes (**Finlaya*) *fluviatilis*, Lutz, in U.S.A., VI. **86**.
Aëdes (**Finlaya*) *formosaensis*, Yam., described as new from Formosa, X. **147**.
Aëdes (**Ochlerotatus*) *freyi*, Edw., described as new, X. **18**; in Finland, X. **18, 166**; in Germany, X. **18**; likely to occur in Sweden, X. **88**; *A. lesnei* possibly a synonym of, X. **131**.
Aëdes (**Finlaya, Ochlerotatus*) *fulgens*, Edw., described as new, V. **53**; in Zanzibar, V. **53**, VI. **123**.
Aëdes (**Finlaya*) *fulvithorax*, Lutz (*Taeniorhynchus palliatus*, Coq.), in Trinidad, V. **60**.
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Aëdes (**Skusea*) *funereus*, Theo. (*basalis*, Tayl.), in Amboina, IX. **123**; in N. Australia, IV. **11, 182**, V. **68**, VI. **73, 227**, X. **233**; breeding-places of, V. **68**; bionomics of, X. **233**; probably not a carrier of *Onchocerca gibsoni*, VI. **27**.
Aëdes funereus var. *ornatus*, Theo., in Ceram, IX. **133**; in Papua, II. **135**, III. **153**; described as *Lepidotomyia lineata*, sp. n., II. **135**; synonymy of, IX. **133**.
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Aëdes (**Stegomyia*) *galloisi*, Yam., described as new, X. **147**; in Japan, X. **147, 154**.
Aëdes (*Culex, Culicada, *Finlaya, Ochlerotatus*) *geniculatus*, Ol. (*albopunctatus*, Rond., *lateralis*, Mg., *ornatus*, Mg.), in N. Africa, I. **200**; in Britain, V. **52**, VIII. **13, 157**, X. **16, 105**; in Corsica, IX. **38**; in Denmark, VII. **171**, IX. **82**; in France, II. **180**, VII. **99**, VIII. **76, 82**, IX. **38**; in Germany, I. **40**, II. **78**, IV. **16**, VI. **212**, VII. **69**, VIII. **27, 28, 214**, IX. **29, 68**; in Macedonia, IX. **20, 92**; in Sweden, X. **87**; in Switzerland, V. **42**, VI. **172**, X. **7**; breeding-places of, I. **40**, IV. **16**, V. **42, 52**, VI. **172, 212**, VII. **171**, VIII. **28, 157**, IX. **38, 68**; effect of drought on, X. **16**; hibernation of, VIII. **27**; egg of, I. **41**; larva of, IV. **156**, X. **100**; synonymy of, X. **154**; *A. echinus* compared with, VIII. **48**.
Aëdes gonimus, D. & K., described as new, VI. **86**; in U.S.A., VI. **86**, X. **51**; breeding-places of, X. **51**.
Aëdes grahami, Ludl., described as new from Siberia, VIII. **59**; a synonym of *A. dorsalis, q.v.*
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Aëdes (**Finlaya*) *hatorii*, Yam. described as new from Formosa, X. **147**.
Aëdes (**Finlaya*) *heteropus*, Dyar, described as new from Costa Rica, X. **55**.

Aëdes (**Ochlerotatus*) *hexodontus*, Dyar, described as new, V. **5**; in California, V. **5**, VI. **48**, VIII. **101**; breeding-places of, VI. **48**.
Aëdes (**Ochlerotatus*) *hirsuteron*, Theo. (*pretans*, Grossb.), bionomics of, in Canada, VII. **106**; in U.S.A., I. **119**, VI. **65**; described as *A. vinnipegensis*, sp. n., VII. **106**; possibly a synonym of *A. sticticus*, X. **131**.
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Aëdes (**Stegomyia*) *horishensis*, Yam., described as new from Formosa, X. **147**.
Aëdes hortator, D. & K., in Trinidad, V. **60**.
Aëdes (*Chaetocruiomyia*) *humeralis*, Edw., described as new from Australia, X. **153**.
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Aëdes (**Ochlerotatus*) *idahoënsis*, Theo., in U.S.A., VI. **8**, **65**, **89**, **146**.
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Aëdes (**Ochlerotatus*) *increpitus*, Dyar, described as new, V. **5**; in U.S.A., V. **5**, VI. **7**, **48**; breeding-places of, VI. **48**.
Aëdes indicus, Theo. (*mediolineatus*, Ludl.), confused with *A. dorsalis* (*curriei*), VI. **9**.
Aëdes (**Ochlerotatus*) *innuitus*, D. & K., described as new from Greenland, VI. **86**; a synonym of *A. alpinus*, *q.v.*
Aëdes (*Culicada*) *inornatus*, Strick. (see *A. camptorhynchus*).
Aëdes (**Finlaya*) *inquinatus*, Edw., described as new from India, X. **197**.
Aëdes (**Ochlerotatus*) *intrudens*, Dyar, described as new from Canada, VII. **105**; likely to occur in Sweden, X. **88**; a distinct species, X. **131**.
Aëdes (**Ochlerotatus*) *ioliota*, D. & K., described as new, I. **164**; in Trinidad, I. **164**, V. **60**.
Aëdes (*Heteronycha*, **Ochlerotatus*) *iridipennis*, Dyar, described as new from Arizona, X. **131**, **184**; possibly referable to *Taeniorhynchus*, X. **184**.
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Aëdes (**Finlaya*) *japonicus*, Theo., and potential establishment of yellow fever in Far East, X. **103**.
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Aëdes (**Finlaya*) *khazani*, Edw., described as new from India, X. **197**.
Aëdes (**Finlaya*) *kochi*, Dön., breeding-places of, in Samoa, II. **82**.
Aëdes (**Finlaya*, *Ochlerotatus*) *koreicus*, Edw., described as new from Korea, V. **53**.
Aëdes labeculosus, Coq. (see *A. camptorhynchus*).
Aëdes (**Stegomyia*) *lamberti*, Ventr. (see *A. albopictus*).
Aëdes (*Ochlerotatus*) *lativittatus*, Coq. (see *A. dorsalis*, Mg.).
Aëdes (**Finlaya*, *Ochlerotatus*) *laurei*, Carter, described as new from Lord Howe Island, IX. **56**.
Aëdes lazarensis, Felt & Young (see *A. communis lazarensis*).
Aëdes leicesteri, Edw., described as new from Malay States, V. **53**.
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Aëdes (**Ochlerotatus*) *lesnei*, Séguy, described as new, IX. **131**; in France, IX. **38**, **131**; identity of, X. **131**.
Aëdes (**Ochlerotatus*) *leuconotips*, Dyar, described as new from Canada, VIII. **101**.
Aëdes (**Pseudohowardina*) *linealis*, Tayl., described as new from N. Australia, II. **12**; a synonym of *A. lineatopennis*, *q.v.*
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Aëdes (**Skusea*) *longirostris*, Leic. (*Uranotaenia hilli*, Tayl.), in Australia, VII. **139.**

Aëdes (*Grabhamia*, **Ochlerotatus*) *longisquamosus*, Theo. (see *A. caspius*).

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Aëdes (**Stegomyia*) *luteocephalus*, Newst., in Gold Coast, IV. **112,** V. **3,** X. **226;** in Nigeria, IV. **66,** V. **39,** VI. **225,** IX. **42;** in Sierra Leone, IV. **163;** breeding-places of, IV. **112,** IX. **42.**

Aëdes (**Banksinella*) *luteolateralis*, Theo. (see *A. lineatopennis*).

Aëdes (**Ochlerotatus*) *lutescens*, F. (*fletcheri*, Coq.), in Canada, VI. **178,** VII. **106;** in Denmark, IX. **83;** in Finland, X. **166;** in Sweden, X. **87;** described as *A. cyprius*, sp. n., from Siberia, VIII. **59;** in U.S.A., VI. **8, 65;** bionomics of, VII. **106;** synonymy of, IX. **83,** X. **18.**

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Aëdes (**Finlaya, Ochlerotatus*) *macfarlanei*, Edw., in Hong Kong, III. **141.**

Aëdes (*Culex, Culicada, *Ochlerotatus*) *maculatus*, Mg. (*cantans*, Mg.), in Britain, X. **16;** in Canada, III. **155;** in Denmark, VII. **171,** IX. **82;** in Finland, X. **165;** in France, VII. **99,** IX. **38;** in Sweden, X. **87;** in Switzerland, III. **228;** in Germany, II. **78,** VI. **212,** VII. **69,** VIII. **27, 28, 214,** IX. **29, 35;** bionomics of, VII. **171,** VIII. **27, 28,** IX. **29, 38,** X. **16;** breeding-places of, VI. **212;** *A. annulipes* erroneously recorded as, VIII. **76.**

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Aëdes (*Kingia*, **Stegomyia*) *maculoabdominalis*, Theo., described as new from Sudan, II. **45.**

Aëdes (*Acartomyia, Culex*, **Ochlerotatus*) *mariae*, Serg., in Algeria, VIII. **56;** in France, IX. **38;** in Palestine, IX. **99;** breeding-places of, VIII. **56,** IX. **99;** development of *Plasmodium relictum* in, VI. **229;** key to species allied to, IX. **193;** *A. zammitti* not a synonym of, X. **154.**

Aëdes masamae, Dyar, described as new from California, IX. **50.**

Aëdes mediolineatus, Ludl. nec Theo. (see *A. indicus*).

Aëdes (**Ochlerotatus*) *mercurator*, Dyar, described as new from Canada, VIII. **101.**

Aëdes (**Ochlerotatus*) *metalepticus*, Dyar, described as new from Italy, VIII. **102;** a synonym of *A. pullatus jugorum, q.v.*

Aëdes (**Stegomyia*) *metallicus*, Edw., in W. Africa, IV. **112,** V. **3,** X. **226;** in Tanganyika, X. **223;** in Zanzibar, VI. **123;** breeding-places of, IV. **112,** X. **223.**

Aëdes micropterus, Giles, *A. reginae* possibly a variety of, X. **197.**

Aëdes (**Finlaya*) *mikiranus*, Edw., described as new from India, X. **197.**

Aëdes (*Culicada*, **Finlaya, Hulecoeteomyia, Ochlerotatus*) *milsoni*, Tayl., described as new, V. **67;** in New South Wales, IV. **11, 182,** V. **67;** breeding-places of, IV. **182.**

Aëdes (**Ochlerotatus*) *mimesis*, Dyar, breeding-places of, in Canada, VI. **178;** in U.S.A., VI. **8, 146.**

Aëdes (*Ochlerotatus*) *minutus*, Theo., in Belgian Congo, I. **220;** in Gold Coast, V. **3,** VI. **38,** X. **167;** in Sierra Leone, IV. **44, 45, 163;** breeding-places of, VI. **38.**†

Aëdes minutus biannulatus, Theo., in Gold Coast, V. **3.**

Aëdes minutus stenoscutus, Edw. (see *A. abnormalis*).

Aëdes minutus tarsalis, Newst. (see *A. tarsalis*).

Aëdes (*Heteronycha*, **Ochlerotatus*) *muelleri*, Dyar, described as new from Mexico, VIII. **102.**

Aëdes (*Ochlerotatus*, **Pseudoskusea*) *multiplex*, Theo., in Australia, VII. **176.**

Aëdes (**Ochlerotatus*) *nearcticus*, Dyar, described as new, from Arctic Regions, VII. **196;** a synonym of *A. alpinus, q.v.*

Aëdes (*Ochlerotatus*) *nemorosus*, Mg. (see *A. communis*).

Aëdes (*Ochlerotatus*) *nemorosus*, auct.

† Most or all of these references refer to *A. tarsalis, q.v.*

nec Mg. (see *A. punctor meigenanus*).
Aëdes nemorosus dorsovittatus, Vill., described as new from France, VII. **99**; a synonym of *A. sticticus, q.v.*
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Aëdes (**Aedimorphus, Ochlerotatus*) *nigeriensis*, Theo., breeding-places of, in Gold Coast, VIII. **12.**
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Aëdes (**Ochlerotatus*) *nigrinus*, Eckst., described as new from Germany, VII. **69**; a synonym of *A. sticticus, q.v.*
Aëdes (*Culex, *Ochlerotatus*) *nigripes*, Zett. (see *A. alpinus*).
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Aëdes (**Ochlerotatus*) *nigrithorax*, Macq., described as *Menolepis* (?) *tasmaniensis*, sp. n., from Tasmania, III. **37.**
Aëdes nigromaculis, Ludl., in U.S.A., VI. **8, 65, 146, 223**; breeding-places of, VI. **8.**
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Aëdes (*Culex, *Ochlerotatus*) *normanensis*, Tayl., described as new from Queensland, IV. **11.**
Aëdes (**Finlaya, Ochlerotatus, Scutomyia*) *notoscriptus*, Skuse, in Australia, III. **37, 207,** IV. **11, 60, 182, 183,** V. **68, 94,** VI. **74, 227,** VII. **61,** VIII. **174,** IX. **118,** X. **233**; in New Zealand, IX. **75**; in Papua, III. **153**; breeding-places of, IV. **182,** IX. **118,** X. **233.**
Aëdes (*Ochlerotatus*) *nubilus*, Theo., in Trinidad, V. **60.**
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Aëdes (*Culex, *Finlaya, Ochlerotatus*) *occidentalis*, Skuse, in Australia, III. **207,** IV. **11, 182.**
Aëdes (**Aedimorphus, Ochlerotatus*) *ochraceus*, Theo., in Gold Coast, V. **45,** VI. **16**; in Nigeria, VI. **66.**
Aëdes (**Aëdimorphus, Ecculex*) *omurensis*, Yam., described as new from Japan, X. **147**; a synonym of *A. alboscutellatus, q.v.*
Aëdes onondagensis, Felt (see *A. dorsalis*, Mg.).
Aëdes (**Finlaya, Ochlerotatus*) *oreophilus*, Edw., described as new, IV. **64**; in India, IV. **64,** VIII. **43.**
Aëdes ornatus, Mg. (see *A. geniculatus*).
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Aëdes oswaldi braziliensis, G. & E., described as new from Brazil, X. **234.**
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Aëdes palmeni, Edw. (see *A. communis*).
Aëdes (**Banksinella, Neomelanoconion*) *palpalis*, Newst., considered distinct from *A. lineatopennis* (*luteolateralis*), II. **45.**
Aëdes palustris, Dyar, described as new, V. **5**; in California, V. **5,** VI. **48,** X. **130**; breeding-places of, VI. **48,** X. **130.**
Aëdes (**Ochlerotatus*) *parvulus*, Edw., described as new, X. **18**; in Finland, X. **18, 166**; likely to occur in Sweden, X. **88**; considered a synonym of *A. alpinus* (*nearcticus*), X. **131.**
Aëdes (**Finlaya*) *pecuniosus*, Edw., described as new from Australia, X. **153.**
Aëdes (*Howardina, Ochlerotatus, *Skusea*) *pembaensis*, Theo., in E. Africa, VIII. **164,** X. **94**; in Zanzibar, VI. **123.**
Aëdes (*Culiselsa, *Ochlerotatus*) *perichares*, Dyar, described as new from Costa Rica, IX. **72.**
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Aëdes (**Ochlerotatus*) *pionips*, Dyar, breeding-places of, in Canada, VII. **105**; considered distinct from *A. communis*, X. **131.**
Aëdes (**Aëdimorphus, Ecculex, Stegomyia*) *pipersalatus*, Giles (*Pseudograbhamia maculata*, Theo.), in India, V. **39**; in Java, VI. **213.**

Aëdes (**Finlaya*) *podographicus*, Dyar, in Costa Rica, X. **31**; in Mexico, X. **55**.
Aëdes (**Finlaya*) *poicilia*, Theo., in Australia, IV. **11, 60**, VI. **227**, VII. **175**; in Fiji, IV. **41**, X. **71**; in Papua, III. **37, 154**; in Sumatra, IV. **23**.
Aëdes poliochros, Dyar, in Canada, VII. **106**.
Aëdes (**Stegomyia*) *poweri*, Theo., in Belgian Congo, III. **121**.
Aëdes pretans, Grossb. (see *A. hirsuteron*).
Aëdes prodotes, Dyar, described as new from Montana, VI. **8**; a synonym of *A. cataphylla*, *q.v.*
Aëdes prodotes, Lund. (see *A. rostochiensis*).
Aëdes prolixus, Dyar, described as new from Alaska, X. **95**.
Aëdes (**Stegomyia*) *pseudoscutellaris*, Theo. (see *A. variegatus*).
Aëdes (**Finlaya, Hulecoeteomyia, Ochlerotatus*) *pseudotaeniatus*, Giles, in India, II. **193**, IV. **74**, X. **197**; in Philippines, VII. **193**; anatomy of, IV. **74**.
Aëdes pulchritarsis, Rond., *A. berlandi* a variety of, X. **154**.
Aëdes (**Finlaya*) *pulchriventer*, Giles, anatomy of, X. **231**.
Aëdes (**Ochlerotatus*) *pullatus*, Coq., in Canada, III. **155**, VII. **106**, VIII. **101, 102**; likely to occur in Sweden, X. **88**; in U.S.A., VI. **8, 65, 146**; breeding-places of, VII. **106**; synonymy of, X. **131**.
Aëdes pullatus jugorum, Vill., described as new from France, VII. **99**; in Italy, VIII. **102**; in Switzerland, X. **7, 118**; anatomy of, IX. **100**, X. **100**; described as *A. metalepticus*, sp.n., VIII. **102**; synonymy of, X. **19, 100, 131**; *A. geniculatus* recorded from Corsica as, IX. **38**.
Aëdes pulverulentus, Edw., described as new from India, X. **197**.
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Aëdes (**Skusea*) *punctipes*, Edw., described as new from Burma, IX. **133**.
Aëdes (**Banksinella*) *punctocostalis*, Theo., in Nigeria, IV. **66**.
Aëdes (**Ochlerotatus*) *punctodes*, Dyar, described as new from Alaska, X. **95**.
Aëdes (*Stegomyia*) *punctolateralis*, Theo. (see *Rachionotomyia atripes*).
Aëdes (**Ochlerotatus*) *punctor*, Kirby, in California, VIII. **101**; in Canada, VII. **105**; in Denmark, IX. **82**; in Finland, X. **166**; in France, IX. **38**; in Sweden, X. **87**; breeding-places of, VII. **105**; larva of, X. **128**; anatomy of species allied to, IX. **18**.
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Aëdes (**Aëdimorphus, Ochlerotatus*) *punctothoracis*, Theo., in Gold Coast, IV. **81**, V. **3**, X. **167**; in Nigeria, IV. **66**, IX. **42**; breeding places of, IX. **42**.
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Aëdes (**Ochlerotatus*) *quasirubrithorax*, Theo., breeding-places of, in Australia, IX. **118**, X. **233**.
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Aëdes quaylei, D. & K. (see *A. dorsalis*, Mg.).
Aëdes (*Finlaya*) *queenslandis*, Strick. (*Culicada cumpstoni*, Tayl., *demansis*, Strick., *hybridus*, Tayl.), in Australia, IV. **11, 182**, V. **67**, VI. **74**; breeding-places of, IV. **182**; described as *A. hybridus*, sp.n., V. **67**.
Aëdes (**Finlaya*) *quinquelineatus*, Edw., described as new from Australia, X. **153**.
Aëdes (**Aëdimorphus*) *quinquepunctatus*, Theo., described as new from Sudan, II. **45**.
Aëdes (*Skusea*) *reginae*, Edw., described as new from Ceylon, X. **197**.
Aëdes (**Aëdimorphus, Ecculex*) *rhecter*, Dyar, described as new from E. Africa, IX. **87**.
Aëdes (**Ochlerotatus*) *riparius*, D. & K., in Canada, VII. **106**; in Montana, VI. **8**.
Aëdes (**Ochlerotatus*) *rostochiensis*, Mart. (*prodotes*, Lund. nec Dyar), described as new, VIII. **171**; in Denmark, IX. **83**; in Germany, VIII. **171, 214**; breeding-places of, VIII. **214**; synonymy of, IX. **83**, X. **154**.
Aëdes (**Ochlerotatus*) *rubrithorax*,

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Aëdes (**Ochlerotatus*) *rusticus*, Rossi (*diversus*, Theo. (*Culex*) *quadrimaculatus*, Macq.), in Britain, X. **86**; in Denmark, IX. **82**; in France, VII. **99**, VIII. **76**; in Germany, II. **78**, VI. **212**, VII. **69**, VIII. **27**, **214**, IX. **29**, X. **36**; in Macedonia, VIII. **48**; likely to occur in Sweden, X. **88**; breeding-places of, VI. **212**. VIII. **214**; larva of, IX. **186**; synonymy of, VIII. **49**.

Aëdes (*Culex*, **Ochlerotatus*) *sagax*, Skuse, in Australia, IV. **182**, VI. **74**; breeding-places of, IV. **182**.

Aëdes (**Ochlerotatus*) *salinellus*, Edw., habits of, in Germany, VIII. **214**, IX. **35**; likely to occur in Sweden, X. **88**; recorded as *A. terriei*, VIII. **214**, IX. **35**, **83**.

Aëdes (**Ochlerotatus*) *salinus*, Fic. (see *A. detritus*).

Aëdes (**Ochlerotatus*) *sansoni*, D. & K., in Canada, VI. **178**; in U.S.A., VI. **8**, **146**; breeding-places of, VI. **8**, **178**.

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Aëdes (*Culex*, *Leucomyia*, **Ochlerotatus*) *scapularis*, Rond. (*confirmatus*, Lynch), in Argentina, IX. **5**, **207**; in Brazil, VI. **91**, VIII. **25**, X. **159**, **216**; in British Guiana, X. **217**; in Mexico, IX. **5**; in Trinidad, II. **27**, V. **60**; in Venezuela, X. **62**; notice of key to species allied to, X. **160**.

Aëdes scutellaris, Wlk. (see *A. variegatus*).

Aëdes (*Stegomyia*) *scutellaris*, Theo. (see *A. albopictus*).

Aëdes (**Ochlerotatus*) *semicantans*, Mart., described as new from Germany, VIII. **171**, **214**; in Sweden, X. **87**; breeding-places of, VIII. **171**; *A. lesnei* possibly a synonym of, X. **131**.

Aëdes (**Finlaya*) *seoulensis*, Yam., described as new from Korea, X. **147**, **154**.

Aëdes (*Culex*, **Ochlerotatus*, *Protoculex*) *serratus*, Theo., in Brazil, VIII. **26**; in Costa Rica, X. **31**; in Trinidad, II. **25**, V. **60**; in Venezuela, X. **62**.

Aëdes (**Stegomyia*) *sexlineatus*, Theo., in Trinidad, II. **25**, V. **60**; in Venezuela, III. **69**; possibly transmitting yellow fever, III. **69**.

Aëdes (**Pseudoskusea*) *similis*, Theo., in Queensland, VI. **227**.

Aëdes (**Finlaya*) *simlensis*, Edw., described as new from India, X. **197**.

Aëdes (**Stegomyia*) *simpsoni*, Theo., in E. Africa, VIII. **164**; in S. Africa, IX. **128**; in Belgian Congo, I. **220**, III. **121**; in Gold Coast, VI. **16**, **38**, X. **226**; in Nigeria, IV. **66**, **112**; in Sierra Leone, IV. **45**, **161**, **163**; in Zanzibar, VI. **123**; breeding-places of, IV. **161**, VI. **38**.

Aëdes (**Aëdimorphus*, *Ochlerotatus*) *simulans*, Cart., breeding-places of, in Sierra Leone, IV. **44**.

Aëdes (*Culex*, **Ochlerotatus*) *sollicitans*, Wlk., in Bermuda, I. **99**; in U.S.A., I. **18**, **22**, **39**, **118**, **226**, II. **158**, III. **32**, **52**, **128**, **175**, **212**, IV. **6**, **95**, **123**, V. **102**, **103**, **141**, VI. **156**, VII. **21**, VIII. **30**, IX. **26**, **85**, **88**, **186**, X. **93**, **108**, **111**, **190**, **228**; not transmitting poliomyelitis, I. **18**; breeding-places of, I. **39**, **226**, III. **175**, **212**, IV. **6**, **95**, **123**, VII. **21**, IX. **85**, **88**, X. **108**; effect of saline water on, V. **103**; migrations of, IX. **26**; tropisms of, I. **22**, X. **190**; measures against, V. **102**, **103**, **141**, VI. **156**.

Aëdes (**Ochlerotatus*) *spenceri*, Theo., in Canada, VI. **178**, VII. **106**; in U.S.A., VI. **8**, **65**, **89**; breeding-places of, VI. **8**; anatomy of species allied to, IX. **88**.

Aëdes (**Chaetocruiomyia*) *spinosipes*, Edw. (*spinosus* in error), n.n. for *A. sylvestris*, Theo., X. **153**; in Queensland, III. **37**.

Aëdes (**Ochlerotatus*) *squamiger*, Coq., in California, IV. **159**, VIII. **104**; breeding-places of, IV. **159**.

Aëdes (*Culex*, *Culicada*, **Ochlerotatus*) *sticticus*, Mg. (*concinnus*, Steph., *dorsovittatus*, Vill., *nigrinus*, Eckst., *sylvae*, Theo.), rare in Denmark, IX. **82**; in France, IX. **38**; described as *A. nemorosus* var. *dorsovittatus*, n., in France, VII. **99**; in Germany, II. **78**, VI. **212**, VII. **69**, VIII. **27**, **28**, **214**, IX. **35**; in Pyrenees, VIII. **76**; likely to occur in Sweden, X. **88**; breeding-places of, VI. **212**, VIII. **28**; allied to *A. communis*, IX. **100**; described as *A. nigrinus*, sp. n., VII. **69**; synonymy of, X. **18**, **131**.

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albibasis, Johannsenomyia; *Tabanus*.
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albicosta, Taeniorhynchus (*Mansonia*).
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albigena, Psorophora (*Janthinosoma*).
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albipalpus, Tabanus.
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albipes, Anopheles (see *A. albimanus*); *A. hyrcanus* (*sinensis*); *Megarhinus*; *Tabanus* (see *T. ignotus*).
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albipictus, Dermacentor.
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albocephalus, Aëdes (*Ochlerotatus*).
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albopilosus, Harpactor (*Rhinocoris*).
albopunctatus, Culex (*Culicada*) (see *Aëdes geniculatus*).
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americanum, Amblyomma.

americanus, Leptoconops kerteszi; *Leptus*; *Tabanus.*

amicta, Serinetha.

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Anopheles (**A.*) *gigas*, Giles, in Ceylon, II. **130**; in India, IV. **124**, VIII. **161**, X. **79**; in Dutch E. Indies, VII. **188**, IX. **173**, X. **79**; in Malaya, X. **79**; anatomy of, IX. **173**, X. **75**, **231**; supposed larva of, VII. **183**.

Anopheles (*Myzorhynchella*) *gilesi*, Neiva, in Brazil, VII. **23**, IX. **6**.

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Anopheles (*Cycloleppteron*) *grabhami*, Theo., in Greater Antilles, VII. **23**; in Jamaica, II. **133**, IV. **90**; in Porto Rico, X. **59**; and malaria, II. **133**; breeding-places of, VII. **23**.

Anopheles guttulatus, Harris (see *A. quadrimaculatus*).

Anopheles (**Myzomyia*, *Pyretophorus*) *hispaniola*, Theo. (*myzomyifacies*, Theo.), in Algeria and Tunisia, IV. **190**, VII. **43**, **123**, X. **49**, **68**; variety of, X. **49**; and malaria, IV. **104**, **190**.

Anopheles (**A.*) *hunteri*, Strickl., described as new from Malaya, V. **10**; a synonym of *A. separatus*, *q.v.*

Anopheles (*Dendropaedium*, **Nyssorhynchus*) *hylephilus*, D. & K., described as new, V. **82**; in Central America, V. **82**, VII. **23**; in Dutch Guiana, X. **76**; in Panama, X. **11**; breeding-places of, X. **11**.

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Anopheles hyrcanus (*pseudopictus*) var. *flerowi*, Portch., and malaria in Turkestan, I. **196**.

Anopheles hyrcanus (*sinensis*) var. *mesopotamiae*, Christ., described as new, III. **212**; in Mesopotamia, III. **212**, IV. **172**, VII. **102**, IX. **159**; a possible carrier of Baghdad boil, VII. **102**.

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Anopheles indefinitus, Ludl. (see *A. vagus*).

Anopheles (**Myzomyia*) *indiensis*, Theo., in Hong Kong, III. **141**, VI. **50**.

Anopheles (**A.*, *Arribalzagia*, *Cycloleppteron*) *intermedius*, Chagas, in

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Anopheles jamesi, List. (see *A. fuliginosus*).

Anopheles (**Myzomyia, Nyssorhynchus*) *jamesi*, Theo., in Ceylon, II. **130**, VIII. **50**; in India, II. **192, 193, 194**, III. **40, 42**, IV. **124**, VIII. **5**, IX. **6, 124**, X. **67**; in Dutch E. Indies, VII. **76, 96**, VIII. **56**, IX. **173**; tail-hooks in larva of, X. **75**.

Anopheles jesoensis, Tsuzuki (see *A. hyrcanus*).

Anopheles (**Myzomyia, Pyretophorus*) *jeyporensis*, Theo., in Hong Kong, III. **141**, VI. **50**; in India, I. **218**, II. **192, 193**, III. **41**, IV. **124**; breeding-places of, III. **41**.

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Anopheles (*Cellia*, **Myzomyia*) *kochi*, Dön., in Borneo, III. **11**, IV. **73**; in Burma, III. **50**; in Dutch E. Indies, IV. **23**, V. **27**, VI. **53, 110, 156, 213, 214**, VII. **76, 96, 97, 184**, VIII. **53, 54**, IX. **3, 4, 135, 136**, X. **5, 38, 39, 120**; in Malaya, I. **6, 18**, II. **46, 202**, III. **10, 102**, IV. **67**, VI. **126**, VIII. **84**, IX. **74**, X. **207**; in Philippines, III. **65**; and malaria, X. **38**; experimentally infected with malaria, VI. **126**, VII. **97**, VIII. **135, 136**, IX. **136**; probably not a carrier of malaria, II. **133**, III. **102**; breeding-places of, III. **11**, VII. **184**, VIII. **54**, IX. **74, 136**, X. **207**; synonymy of, I. **6**.

Anopheles leucopus, Dön. (see *A. fuliginosus*).

Anopheles (**Myzomyia, Neomyzomyia*) *leucosphyrus*, Dön. (*elegans*, James), in Borneo, III. **11**, IV. **73**; in India, II. **193**, IV. **124**, IX. **6**, X. **67**; in Dutch E. Indies, IV. **23**, V. **26, 27**, VI. **110, 156**, VII. **76, 184**, VIII. **55, 152**, IX. **135**, X. **5**; in Malaya, I. **6**, II. **102**, III. **102**, V. **54**, VIII. **84**, IX. **74**, X. **57, 58**; and malaria, IV. **73**, V. **26**, IX. **74**, X. **5**; not experimentally transmitting malaria, VIII. **135**; breeding-places of, V. **54**, VII. **76, 184**, IX. **74**, X. **57**; synonymy of, I. **6**.

Anopheles leucosphyrus hackeri, Edw., probably not a distinct variety, IX. **133**.

Anopheles lewisi, Ludl., described as new from Siberia, VIII. **207**; a synonym of *A. maculipennis*, *q.v.*

Anopheles (**A.*) *lindesayi*, Giles, in India, IV. **124**, VIII. **161**, IX. **117**, X. **79**; anatomy of, VI. **208**.

Anopheles (**Myzomyia*) *listoni*, List., in Ceylon, II. **130**, VIII. **50**; in Formosa, III. **102**, VI. **50**; in India, I. **218**, II. **192, 193**, III. **40, 41, 102**, IV. **74, 118**, VI. **2, 195**, IX. **6**, X. **67, 75**; in Malaya, III. **202**; and malaria, I. **218**, III. **102, 202**, IV. **74, 104**, VI. **2, 195**; breeding-places of, I. **218**, IV. **118**; tail-hooks in larva of, X. **75**.

Anopheles listoni alboapicalis, Theo. (see *A. minimus aconitus*).

Anopheles (**Myzomyia*) *ludlowi*, Theo., in Andamans, I. **51**, III. **102**; in Borneo, III. **11**, IV. **73**; in Formosa, VI. **50**; in India, II. **194**, IV. **74, 118**, IX. **6**, X. **67**; in Dutch E. Indies, IV. **23, 130**, V. **26, 27**, VI. **53, 156, 213, 214**, VII. **96, 97, 98, 184**, VIII. **53, 55, 135, 152, 153**, IX. **4, 36, 114, 130, 131, 173**, X. **38, 39, 95, 113, 150, 151, 152**; in Malaya, I. **6, 34**, III. **102**, IV. **54**, VI. **124**, VIII. **80, 123**, IX. **74**, X. **58, 207**; in Philippines, II. **70**, III. **65**; and filariasis, X. **95**; and malaria, I. **51**, II. **133**, III. **102**, IV. **54, 73, 74**, V. **26**, VI. **124**, VII. **96, 97, 98**, VIII. **80, 135, 153**, IX. **4, 36, 74, 114, 130, 131, 205**, X. **5, 38, 39, 150, 151**; breeding-places of, I. **51**, II. **70**, IV. **130**, V. **142**, VII. **184**, VIII. **53, 55, 123**, IX. **74**, X. **150**; early stages of, III. **117**; anatomy of, IX. **173**; reproductive capacity of, X. **207**; *A. subpictus* distinct from, X. **113**.

Anopheles (**A.*) *lukisi*, Christ., described as new from Mesopotamia, IV. **172**; a synonym of *A. algeriensis*, *q.v.*

Anopheles (**A., Myzorhynchella*) *lutzi*, Cruz, in Brazil, VI. **90**, VII. **23**, IX. **6**; in Dutch Guiana, X. **76**; and malaria, IX. **6**; bionomics of, VI. **90**.

Anopheles lutzi, Flu, doubt as to identity of, X. **76**.

Anopheles lutzi, Theo., *Kerteszia boliviensis* confused with, VII. **25**; a synonym of *A. cruzi, q.v.*

Anopheles (*Manguinhosia*) *lutzi*, Theo. (see *A. peryassui*).

Anopheles (**Myzomyia, Nyssorhynchus*) *maculatus*, Theo., in Borneo, III. **11**, IV. **73**; in Ceylon, II. **46**, **130**, VIII. **50**, IX. **147**; in Hong Kong, II. **46**, III. **141**, VI. **50**; in India, II. **46**, **193**, IV. **74**, **124**, VI. **195**, VIII. **5**, IX. **6**, X. **68**, **208**; in Dutch E. Indies, II. **46**, **111**, IV. **23**, V. **27**, VII. **76**, **184**, VIII. **53**, **54**; in Malaya, I. **6**, II. **46**, **202**, III. **102**, **202**, IV. **67**, VI. **125**, **126**, **222**, VIII. **84**, **85**, IX. **74**, **134**, X. **57**, **58**, **207**, **208**; in Philippines, III. **65**, **214**; and malaria, II. **46**, III. **102**, **214**, IV. **67**, **73**, **74**, VI. **126**, **222**, VIII. **5**, **85**, IX. **147**; breeding-places of, II. **202**, VII. **184**, VIII. **53**, **84**, IX. **74**, **134**, X. **57**; reproductive capacity of, X. **207**; tail-hooks in larva of, IX. **134**, X. **75**, **208**; synonymy of, I. **6**.

Anopheles (**Myzomyia*) *maculipalpis*, Giles, in E. Africa, VIII. **164**; in India, II. **193**, III. **41**, **50**, **102**, IV. **74**, **124**, VI. **2**, VIII. **5**, X. **75**; rare in Mauritius, X. **25**; and malaria, III. **102**, IV. **74**, **104**, VI. **2**, VIII. **5**; breeding-places of, III. **41**; tail-hooks in larva of, X. **75**, **208**.

Anopheles (**A.*) *maculipennis*, Mg. (*lewisi*, Ludl., *occidentalis*, Say, *selengensis*, Ludl., *Culex claviger*, F. et auct. nec Mg.), in Aegean Islands, VII. **148**; in Albania, V. **144**, VI. **175**, VII. **138**, VIII. **87**, IX. **89**; in Algeria, I. **114**, VII. **43**, X. **49**, **70**, **100**; distribution of, in the Alps, VII. **16**; in Alsace, VII. **53**, **69**; in S.W. Asia, IX. **13**; in Astrakhan, III. **69**; in Austria, IX. **172**; in Belgium, VI. **4**, IX. **193**; in Britain, V. **187**, VI. **31**, **175**, VII. **33**, **64**, **109**, **110**, **132**, **190**, VIII. **125**, **139**, **177**, **192**, **193**, IX. **16**, **32**, **118**, **196**, X. **16**, **80**, **86**, **105**, **165**; in Bulgaria, IX. **177**; in Canada, VI. **23**, **106**, **166**, X. **19**, **64**; in Corsica, IX. **152**, X. **70**, **71**; in Crete, IX. **82**; in Denmark, VII. **172**, IX. **83**, **153**, **154**, **200**, X. **201**; probably recorded in error from Egypt, VIII. **35**; in Finland, X. **165**; in Formosa, VI. **21**; in France, II. **173**, **180**, IV. **101**, V. **148**, **188**, **189**, VI. **23**, **24**, **190**, **206**, **230-235**, VII. **41**, **59**, **79**, **99**, **122**, **146**, VIII. **39**, **40**, **67**, **82**, **141**, **144**, **211**, **219**, IX. **37**, **49**, **114**, **193**, X. **3**, **37**, **70**, **71**, **100**; in Germany, II. **78**, VI. **56**, **212**, VII. **69**, VIII. **27**, **28**, **29**, **62**, **63**, **121**, **135**, **169**, **171**, **172**, **213**, **214**, IX. **29**, **30**, **35**, **68**, **69**, **184**, **193**, X. **6**, **36**, **51**, **128**, **192**; in Greece, V. **87**, VIII. **87**; in Holland, X. **20-22**, **113**, **151**, **200**, **201**; in India, III. **40**; in Italy, I. **40**, III. **1**, VII. **156**, VIII. **140**, **192**, **221-224**, IX. **143**, **167**, X. **32**, **52**, **99**, **119**; in Macedonia, V. **87**, **99**, VI. **71**, **72**, **117**, **162**, **191**, **201**, VII. **34**, **78**, **141**, VIII. **87**, **90**, IX. **20**, **91**, **192**, X. **9**, **10**, **18**, **70**; in Mexico, IV. **59**; in Morocco, III. **143**, IV. **85**, V. **156**, VII. **138**; in Rumania, VI. **191**, **192**, **193**; in Russia, II. **108**, V. **84**, X. **10**, **22**; (*lewisi, selengensis*) in Siberia, VIII. **207**; in Spain, VI. **216**, X. **34**; in Sweden, VII. **157**, X. **87**; in Switzerland, V. **42**, VI. **52**, **172**, X. **7**, **8**, **92**; in Transylvania, X. **90**; in Turkestan, I. **196**; in U.S.A., I. **22**, **98**, **118**, IV. **160**, V. **142**, VI. **7**, **65**, **66**, **210**, VIII. **130**, IX. **33**, **66**, X. **64**, **65**, **165**; conveying filariasis, III. **5**; transmission of flagellates by, II. **54**, **201**; and malaria, I. **196**, II. **133**, IV. **104**, V. **49**, **84**, **99**, **142**, **156**, **187**, **188**, VI. **4**, **23**, **24**, **31**, **56**, **66**, **101**, **106**, **117**, **162**, **175**, **190**, **191**, **192**, **193**, **201**, **206**, **230-235**, VII. **33**, **43**, **64**, **110**, **132**, **156**, VIII. **40**, **87**, **125**, **130**, **140**, **143**, **169**, **192**, **214**, IX. **32**, **33**, **35**, **37**, **68**, **69**, **93**, **118**, **152**, **172**, **177**, X. **9**, **10**, **20-22**, **65**, **70**, **71**, **90**, **100**, **101**, **113**, **200**, **201**, **202**; malarial parasites unable to hibernate in, VI. **101**; comparatively non-susceptible to malignant tertian malaria, IX. **35**; factors influencing malarial infection in, X. **90**; hibernation of *Plasmodium vivax* in musculature of, IX. **93**;

trypanosomes in, X. **99**; hibernation of, I. **40**, V. **42**, VI. **172**, VII. **78**, **172**, VIII. **27**, **28**, **177**, **223**, X. **65**, **192**, **200**; breeding-places of, I. **98**, III. **1**, IV. **160**, V. **148**, VI. **23**, **172**, VII. **122**, **146**, **172**, **190**, VIII. **67**, **192**, **211**, **214**, **219**, **223**, IX. **68**, **91**, **143**, X. **7**, **16**, **71**, **86**, **105**; on ships, IV. **59**; flight habits of, VII. **79**; natural enemies of, I. **134**, **187**, VI. **2**, **79**, X. **128**, **165**, **201**; swarming of, IX. **28**, **200**; development of eggs in, IX. **196**; effect of feeding habits on races of, X. **32**, **53-54**, **100**, **101**, **202**, **228**; relation of, to domestic animals, VIII. **35**, **141-144**, IX. **83**, **114**, **152**, **153**, **154**, X. **3**, **6**, **32**, **34**, **35**, **49**, **52**, **89**; other bionomics of, VII. **41**, **59**, VIII. **39**, **62**, **172**, **222**, IX. **69**, **193**, X. **6**, **21**, **36**, **49**, **89**, **90**; anatomy of, VI. **208**; male genitalia of, VIII. **97**; maxillary armature of, X. **100**, **101**, **202**, **229**; thoracic appendages of larva of, X. **80**; egg of, X. **51**, **61**; oviposition of, IX. **66**; effect of neutral salts on, IX. **184**; effect of picric acid on larva of, VII. **175**; measures against, X. **8**, **65**, **89-90**, **163**, **193-195**; synonymy of, VI. **163**, X. **18**; *A. elutus* previously recorded as a variety of, VII. **5**, VIII. **51**, **91**, IX. **98**, **146**, **159**; described as *A. lewisi* and *selengensis*, spp. n., VIII. **207**.

Anopheles (**A.*, *Arribalzagia*, *Cycloleppteron*) *maculipes*, Theo., in Argentina, VIII. **107**; in Brazil, VII. **23**, IX. **6**; in Venezuela, X. **183**; and malaria, IX. **6**.

Anopheles malefactor, D. & K. (see *A. punctimacula*).

Anopheles mangyana, Banks (see *A. minimus*).

Anopheles (**Myzomyia*) *marshalli*, Theo., in W. Africa, VI. **16**, **17**, **38**; in Madagascar, IX. **68**; breeding-places of, VI. **38**; pupa of, V. **167**.

Anopheles (**Myzomyia*, *Nyssorhynchus*) *mastersi*, Skuse, var. *moluccensis*, Mahulette, described as new from Ceram, X. **179**; and malaria, X. **179**; possibly a synonym of *A. punctulatus*, X. **179**.

Anopheles (**A.*) *mattogrossensis*, Peryassu, only occurring in Brazil, VI. **91**, IX. **6**.

Anopheles (**A.*, *Myzorhynchus*) *mauritianus*, Grp. (*argyropus*, Swellgr.), in S. Africa, IV. **120**, IX. **128**; in W. Africa, IV. **66**, V. **39**, VI. **73**, **225**, VIII. **217**, X. **226**; in Egypt, III. **10**, VI. **177**, VIII. **35**, X. **27**; ? in Dutch E. Indies, V. **27**; in Madagascar, IX. **68**; in Mauritius, X. **225**; in Nyasaland, X. **62**; in Palestine, VIII. **51**, IX. **99**; in Zanzibar, VI. **133**, VIII. **112**; probably not transmitting malaria, VI. **177**, VIII. **35**, X. **225**; breeding-places of, X. **27**; pupa of, V. **167**; synonymy of, VIII. **55**, X. **18**; placed in subgenus *Myzorhynchus*, I. **131**.

Anopheles (**A.*, *Arribalzagia*, *Cycloleppteron*) *mediopunctatus*, Theo., in Brazil, VI. **91**, VII. **23**, IX. **6**; in Dutch Guiana, X. **76**; in Trinidad, V. **60**; and malaria, IX. **6**; breeding-places of, X. **76**.

Anopheles (**Myzomyia*) *minimus*, Theo. (*febrifer*, Banks), in Hong Kong, III. **141**, VI. **50**; in India, IV. **74**; in Dutch E. Indies, VII **76**, **184**; in Philippines, II. **70**, III. **65-67**, **91**, **214**, VI. **142**, VII. **193**, VIII. **94**; and malaria, III. **67**, **91**, **214**, IV. **74**; breeding-places of, V. **142**; larva of, VII. **184**, X. **75**; swarming of, VIII. **94**; synonymy of, III. **229**; described as *A. flavirostris*, sp. n., II. **70**.

Anopheles minimus aconitus, Dön. (*listoni*, List. var. *alboapicalis*, Theo., *albirostris*, Theo.), in Burma, III. **50**; in Ceylon, II. **130**, VIII. **50**; in India, III. **41**, IX. **124**; in Dutch E. Indies, IV. **23**, V. **27**, VI. **110**, **156**, **213**, **214**, VII. **76**, **96**, **98**, **183**, VIII. **54**, IX. **3**, **4**, X. **38**, **120**; in Malaya, II. **34**, **46**, **47**, III. **102**, **202**, IV. **67**, VI. **125**, VIII. **84**, **123**, IX. **73**, **74**, X. **58**, **152**, **207**; and malaria, III. **102**, **202**, VI. **125**, IX. **3**, **73**, X. **38**, **120**; breeding-places of, II. **27**, VI. **156**, VII. **183**, IX. **73**, **74**, **124**, X. **58**, **152**; reproductive capacity of, X. **207**; larva of, III. **228**; systematic position of, VIII. **54**, **55**.

Anopheles (**Myzomyia*) *multicolor*, Camb. (*chaudoyei*, Theo.), in N. Africa, III. **143** (*turkhudi*), VI. **141**, VII. **84**, **123**; in Egypt, VI. **177** (*turkhudi*), VIII. **35** (*turkhudi*), IX. **98**; (*turkhudi*) variety

of, in Egypt, X. **27**; (*turkhudi*) in Palestine, VIII. **51**, IX. **99**, X. **28**; in Sahara, II. **198**, VI. **201**; and malaria, VI. **201**, VIII. **35** (*turkhudi*), IX. **98**, X. **27** (*turkhudi*); breeding-places of, III. **143** (*turkhudi*), VI. **141**, IX. **99**; *A. turkhudi* considered distinct from, VI. **201**.

Anopheles (**Myzomyia*, *Pyretophorus*) *myzomyifacies*, Theo. (see *A. hispaniola*).

Anopheles (**Myzomyia*) *natalensis*, Hill & Haydon, in Cape Colony, IX. **128**.

Anopheles (**A.*, *Dendropaedium*) *neivai*, H., D. & K., described as new, V. **82**; in Costa Rica, X. **31**; in Panama, V. **82**, VII. **23**, X. **11**.

Anopheles nigerrimus, Giles (see *A. hyrcanus*).

Anopheles nigrans, Stanton (see *A. karwari*).

Anopheles (**A.*, *Coelodiazesis*) *nigripes*, Staeg. (see *A. plumbeus*).

Anopheles (**A.*, *Myzorhynchella*) *nigritarsis*, Chagas, in Brazil, VII. **23**, IX. **6**.

Anopheles (**Myzomyia*) *nili*, Theo., in W. Africa, VI. **17**, **225**.

Anopheles (**A.*, *Stethomyia*) *nimbus*, Theo., in Brazil, VI. **90**, **91**, VII. **23**, IX. **6**; in Dutch Guiana, X. **76**; in Trinidad, V. **60**; and malaria, IX. **6**; bionomics of, VI. **91**.

Anopheles niveopalpis, Ludl., described as new from Panama, VIII. **95**; a synonym of *A. eiseni*, *q.v.*

Anopheles nivipes, Theo. (see *A. fuliginosus* var. *nivipes*).

Anopheles (**A.*, *Myzorhynchus*) *novumbrosus*, Strickl. (*similis*, Strickl.), described as new, V. **10**; in Malaya, V. **10**, **81**, VIII. **84**, IX. **74**; in Sumatra, IX. **135**, **136**; and malaria, IX. **74**; breeding-places of, IX. **74**; described as *A. similis*, sp. n., V. **81**.

Anopheles (**Myzomyia*, *Pyretophorus*) *nursei*, Theo. (see *A. superpictus*).

Anopheles occidentalis, D. & K. (see *A. maculipennis*).

Anopheles palestinensis, Theo. (see *A. superpictus*).

Anopheles (*Stethomyia*) *pallidus*, Ludl. (see *A. aitkeni*).

Anopheles (**Myzomyia*) *pallidus*, Theo. (*fowleri*, Christ.), in India, III. **40**, **42**, IV. **118**, IX. **130**, X. **79**; breeding-places of, IV. **118**.

Anopheles (*Myzorhynchus*) *paludis*, Theo. (see *A. mauritianus*).

Anopheles (**Myzomyia*) *parangensis*, Ludl., described as new from Philippines, II. **187**.

Anopheles (**A.*, *Myzorhynchella*) *parvus*, Chagas, in Brazil, VI. **90**, VII. **23**, IX. **6**; and malaria, IX. **6**.

Anopheles peditaeniatus, Leic. (see *A. hyrcanus peditaeniatus*).

Anopheles (**A.*, *Manguinhosia*) *peryassui*, D. & K., in Brazil, VII. **23**, IX. **6**; in Dutch Guiana, X. **76**; synonymy of, X. **76**.

Anopheles (*Cellia*, **Myzomyia*) *pharoensis*, Theo., in W. Africa, V. **3**, **45**, VI. **17**, IX. **31**, X. **167**; in S. W. Asia, IX. **13**; in Egypt, III. **10**, VI. **176**, VIII. **35**, IX. **99**, X. **27**; at Khartoum, VII. **111**; in Madagascar, VI. **157**, IX. **68**, **90**; in Nyasaland, X. **62**; in Palestine, VIII. **51**, **60**, IX. **99**, X. **169**; and malaria, III. **10**, IV. **104**, VI. **176**, VIII. **60**, IX. **90**, **99**, X. **27**, **169**; a doubtful carrier of malaria, VIII. **35**, X. **167**; breeding-places of, X. **27**; pupa of, V. **167**.

Anopheles (**Myzomyia*) *philippinensis*, Ludl., in Philippines, III. **65**.

Anopheles (*Cellia*, **Nyssorhynchus*) *pictipennis*, Phil. (*albitarsis*, Arrib.), in Argentina, VII. **24**, IX. **5**, X. **13**, **14**; in Brazil, IX. **5**; in Chile, VII. **24**; and malaria, X. **13**; bionomics of, X. **43**; synonymy of, IX. **5**.

Anopheles pictus, Lw. (see *A. hyrcanus*).

Anopheles pitchfordi, Giles, in Philippines, III. **65**.

Anopheles (**A.*, *Coelodiazesis*) *plumbeus*, Hal. (*nigripes*, Staeg.), in S. W. Asia, IX. **13**; in Britain, V. **52**, VI. **175**, VII. **33**, **65**, **110**, **190**, VIII. **13**, **96**, **139**, **156**, **192**, **193**, IX. **23**, **118**, X. **16**, **77**, **105**; in Denmark, VII. **172**, IX. **154**; in France, VI. **206**, VII. **29**, **41**, **59**, **79**, **99**, IX. **38**, **49**; in Germany, I. **41**, II. **78**, IV. **16**, VII. **69**, VIII. **27**, **135**, **172**, **213**, **214**, IX. **30**, **68**, **184**, X. **51**, **192**; in Holland, X. **200**; in Macedonia, IX. **20**, **92**; in Sweden, X. **87**;

in Switzerland, III. **1** (*nigrans* in error), **224**, V. **42**, VI. **52**, **172**, X. **7**; experimentally infected with malaria, VII. **160**, VIII. **96**, IX. **23**; breeding-places of, IV. **16**, V. **42**, **52**, VI. **172**, VII. **33**, VIII. **96**, **156**, **214**, IX. **30**, **38**, **68**, X. **105**, **192**; hibernation of, VII. **65**, VIII. **27**, IX. **30**, X. **7**; egg of, I. **41**, X. **51**, **61**; larva of, VI. **206**; male genitalia of, VIII. **97**; suitable for breeding in laboratory, IX. **115**; characters differentiating from *A. bifurcatus*, X. **76**, **132**.

Anopheles plumbeus, auct. (see *A. barianensis*).

Anopheles (**Myzomyia*) *pretoriensis*, Theo., in Arabia, III. **212**, IX. **12**; in Gold Coast, VIII. **12**; breeding-places of, VIII. **12**.

Anopheles (**A.*) *pseudobarbirostris*, Ludl. (see *A. bancrofti*).

Anopheles (**A., Arribalzagia, Cycleppteron*) *pseudomaculipes*, Chagas, in Brazil, VII. **23**, IX. **6**; and malaria, IX. **6**.

Anopheles pseudopictus, Gr. (see *A. hyrcanus*).

Anopheles (**A.*) *pseudopunctipennis*, Theo. (*franciscanus*, McCrack.), in Tropical America, VII. **23**; in Argentina, VIII. **107**, IX. **5**, X. **13**, **43**; in Panama, IV. **97**, **98**, V. **1**, **34**, VII. **127**, VIII. **197**, IX. **108**, X. **11**; in Trinidad, V. **60**; in U.S.A., IV. **160**, V. **142**, VI. **70**, VII. **163**, VIII. **78**, **93**, **187**, IX. **33**, **66**, X. **64**, **65**; in Venezuela, IX. **5**, **13**, X. **62**; a slight or doubtful carrier of malaria, II. **133**, IV. **104**, V. **142**, VI. **70**, VII. **163**, VIII. **93**; breeding-places of, IV. **160**, VII. **23**, X. **65**; oviposition of, IX. **66**.

Anopheles pseudowillmori, Theo. (see *A. maculatus*).

Anopheles (*Cellia*, **Myzomyia*) *pulcherrimus*, Theo., I. **131**; in S.W. Asia, IX. **13**; in India, III. **40**, **162**, VI. **2**, **195**, **196**, IX. **6**, X. **68**, **75**; in Mesopotamia, III. **212**, VI. **177**, VII. **102**, VIII. **111**, IX. **146**, **159**; on a ship in Persian Gulf, VI. **129**; in Turkestan, I. **193-196**; a possible carrier of Baghdad boil, VII. **102**; and malaria, I. **193-196**; breeding-places of, I. **194**, VIII. **111**, IX. **146**.

Anopheles (**A.*) *punctibasis*, Edw., described as new from Japan, X. **18**.

Anopheles (**A., Arribalzagia*) *punctimacula*, D. & K. (*malefactor*, D. & K.), in Panama, IV. **97**, **98**, V. **1**, **34**, VII. **23**, **127**, VIII. **197**, IX. **108**, X. **11**; in Trinidad, V. **59**; breeding-places of, V. **142**; *A. venezuelae* possibly a variety of, X. **182**.

Anopheles (**A.*) *punctipennis*, Say, in Canada, III. **155**, VI. **166**, X. **19**, **64**; in U.S.A., I. **98**, **118**, II. **71**, **162**, III. **79**, **80**, **128**, **182**, **213**, IV. **53**, **61**, **76**, **77**, **90**, **92**, **136**, **152**, **160**, **170**, **175**, **180**, V. **101**, **133**, **134**, **156**, **161**, **184**, VI. **6**, **70**, **154**, VII. **23**, **47-49**, **63**, **74**, **88**, **130**, **163**, **169**, **185**, VIII. **14**, **78**, **93**, **94**, **178**, **187**, **194**, IX. **66**, **138**, **179**, X. **29**, **64**, **65**, **93**, **107**, **108**, **148**, **203**; in Venezuela, IX. **13**; a slight or doubtful carrier of malaria, II. **71**, **133**, VI. **154**, VII. **49**, **63**, **88**, **185**, VIII. **93**; a carrier of *Plasmodium vivax* but not of *P. falciparum*, IV. **53**, **76**, **90**, **92**, **136**, **152**, **175**, V. **133**, **156**, **184**; survival of malarial parasite in, X. **148**; breeding-places of, II. **71**, III. **79**, **128**, IV. **170**, V. **101**, VII. **88**, VIII. **94**, **178**, IX. **138**, X. **29**, **65**, **93**, **108**, **203**; oviposition of, IX. **66**; food of larva of, VII. **169**; parasite of larva of, X. **107**; hibernation of, VII. **130**; thermotropism in, VII. **63**; antennae of, IX. **35**.

Anopheles (**Myzomyia*, *Neomyzomyia*) *punctulatus*, Dön., I. **6**; in Borneo, III. **11**, IV. **73**; in Ceylon, II. **130**, VIII. **50**; in Formosa, VI. **50**; in India, II. **192**; in Dutch E. Indies, V. **27**, VI. **110**, **156**, **213**, VII. **76**, **96**, **97**, **184**, VIII. **135**, **152**, IX. **3**, **4**, **135**, X. **5**, **38**, **39**; recorded in error from Malaya, III. **102**; in New Guinea, III. **153**, X. **149**; and malaria, II. **130**, IV. **73**, VII. **97**, VIII. **135**, X. **38**; breeding-places of, VII. **134**; *A. mastersi* var. *moluccensis* possibly a synonym of, X. **179**.

Anopheles punctulatus (*annulipes*) var. *moluccensis*, Sw., in Malay Archipelago, VIII. **54**, **136**, **152**, **153**, IX. **172**, X. **149**, **172**, **179**; systematic position of, IX. **133**, X. **149**; anatomy of, IX. **173**.

Anopheles (**Myzomyia*) *punctulatus* var. *orientalis*, Sw. & Sw. de G.,

described as new on larval characters, VIII. **136**; in Dutch E. Indies, VIII. **136, 152, 153**; breeding-places of, VIII. **153**.

Anopheles (**A.*) *quadrimaculatus*, Say, in Canada, VII. **23**, VIII. **140**, X. **19**; in U.S.A., II. **162**, III. **21, 79, 80, 81, 182, 183, 213**, IV. **76, 77, 136, 152, 180**, V. **101, 133, 134, 142, 156, 161**, VI. **70, 137, 146, 154**, VII. **23, 47, 48, 63, 74, 88, 163, 169, 185**, VIII. **58, 64, 78, 93, 94, 125, 178, 194**, IX. **117, 138, 179**, X. **29, 46, 93, 148, 203, 228**; and malaria, II. **162**, III. **79, 80, 81, 213**, IV. **76, 136, 152**, V. **142, 156**, VI. **6**, VII. **88, 153**, VIII. **93**, IX. **179**; effect of temperature on malarial parasites in, V. **73, 183, 184**, VI. **32**; seasonal infection of, with malaria, VII. **185**; longevity of, when infected with malaria, VIII. **188**, IX. **148**; breeding-places of, III. **21, 79**, IV. **180**, V. **101**, VI. **154**, VII. **48, 74, 88**, VIII. **94**, IX. **117, 138**, X. **29**; food of larva of, VII. **169**; parasite of larva of, X. **82**; flight of, V. **134**, VIII. **64**.

Anopheles (**Myzomyia*) *rhodesiensis*, Theo., in W. Africa, IV. **44, 45**, VI. **17**; in Arabia, III. **212**, IV. **173**, IX. **13**; in India, III. **212**, VI. **2**, X. **75**; in Mesopotamia, IX. **159**; possibly a carrier of malaria, IV. **44**; breeding-places of, IV. **173**.

Anopheles rossi, Giles (see *A. subpictus*).

Anopheles rossi indefinitus, Ludl. (see *A. vagus*).

Anopheles (**Myzomyia*) *rufipes*, Gough, in W. Africa, VI. **17**, VII. **169**, VIII. **12**; breeding-places of, VIII. **12**.

Anopheles sacharovii, in S. Russia, II. **108**.

Anopheles (**Myzomyia*) *schüffneri*, Stant., described as new, III. **117**; in Dutch E. Indies, III. **102, 117**, IV. **23**, V. **27**, VI. **156**, VII. **76**, X. **120**.

Anopheles selengensis, Ludl., described as new from Siberia, VIII. **207**; a synonym of *A. maculipennis, q.v.*

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† Most European references under *C. territans* are *C. apicalis*, Adams.

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Culex pallidocephalus, Theo., in Egypt, III. **10**; in Natal, IV. **120**; possibly synonymous with *C. decens*, VIII. **35.**
Culex (**Culiciomyia*) *pallidothorax*, Theo., in Hong Kong, III. **141.**
Culex palpalis, Tayl., described as new from Australia, I. **11**; a synonym of *C. annulirostris*, Skuse, *q.v.*
Culex paludis, Tayl., described as new, II. **12**; a synonym of *C. sitiens*, *q.v.*
Culex palus, Theo. (*similis*, Theo.), in Grenada, V. **53**; in British Guiana, X. **217**; in U.S.A., VI. **87**, VIII. **187**; breeding-places of, V. **53**, VI. **87.**
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Culex perexiguus, Theo., value of fish against, in Palestine, X. **209.**
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Culex (**Choeroporpa*, *Mochlostyrax*) *peribleptus*, D. & K., in Carolina, VI. **87**; larva of, VIII. **59.**
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Culex pleuristriatus, Theo., in Trinidad, V. **60**.

Culex (**Choeroporpa*, *Mochlostyrax*) *pose*, D. & K., described as new from Texas, VI. **87**; in Louisiana, X. **132**.

Culex prasinopleurus, Martini, described as new from Cuba, II. **130**.

Culex proclamator, D. & K., in Costa Rica, X. **31**.

Culex pruina, Theo., in W. Africa, IV. **112**, VI. **225**; breeding-places of, IV. **112**.

Culex (**Choeroporpa*) *psatharus*, Dyar, described as new from Panama, IX. **50**.

Culex pulchripalpis, Rond. (see *Orthopodomyia*).

Culex pulchripalpis, Theo. (see *Aëdes caspius*).

Culex pulchrithorax, Edw., described as *Pseudohowardina lineata*, sp. n., from Transvaal, I. **140**.

Culex pullatus jugorum (see *Aëdes*).

Culex punctatus, Mg. (see *Aëdes caspius*).

Culex pungens, R.-D. (see *Aëdes rusticus*).

Culex pusillus, Macq., in Egypt, VIII. **35**; the type species of subgenus *Barraudius*, X. **18**.

Culex pyrenaicus, Brölemann, described as new from Pyrenees, VII. **140**; a synonym of *C. apicalis*, *q.v.*

Culex quadrimaculatus, Macq. (see *Aëdes rusticus*).

Culex quasigelidus, Theo., in W. Africa, IV. **66**, V. **3, 47**, VIII. **12**, X. **226**; in Egypt, III. **10**, VIII. **35**; in Madagascar, IX. **67**; breeding-places of, VIII. **12**; synonymy of, I. **140**, IX. **134**.

Culex quasimodestus, Theo. (?=*C. pipiens*, L.), in Egypt, III. **10**.

Culex quinquefasciatus, Say (see *C. fatigans*).

Culex reductor, D. & K., in Bahamas and Jamaica, VI. **88**.

Culex restuans, Theo. (see *C. territans*, Wlk.).

Culex richiardii, Fic. (see *Taeniorhynchus*).

Culex rima, Theo., African species allied to, X. **153**; in W. Africa, IV. **66**, V. **39**, VI. **225**, IX. **42**, X. **167**; breeding in crab-holes, IX. **42**.

Culex rossi, Giles (see *Aëdes argenteus*).

Culex rubithoracis, Leic., *C. fulleri* not a synonym of, X. **198**.

Culex rubrithorax (see *Aëdes*).

Culex rusticus (see *Aëdes*).

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Culex salinarius, Coq., in U.S.A., I. **22, 119**, II. **158**, III. **52, 128, 212**, IV. **7**, VI. **87**, VII. **21**, X. **93**; breeding-places of, III. **212**, IV. **7**, VI. **87**, VII. **21**, X. **93**; effects of salt on larvae of, V. **103**; larva of, IV. **156**.

Culex salisburiensis, Theo., in S. Africa, VIII. **9**, IX. **128**; in W. Africa, IV. **66**, IX. **42**; new variety of, in Transvaal, I. **140**; breeding-places of, VIII. **9**, IX. **42**.

Culex salus, Theo. (see *C. sitiens*).

Culex (*Pseudotaeniorhynchus*) *samoaensis*, Theo., described as new from Samoa, II. **51**.

Culex (**Choeroporpa*) *saramaccensis*, B.-W. & B., described as new from Dutch Guiana, VIII. **60**; breeding-places of, VIII. **60**.

Culex saxatilis, Grossb. (see *C. apicalis*).

Culex scapularis (see *Aëdes*).

Culex scholasticus, Theo., in Trinidad, V. **60**.

Culex (**Carrollia*) *secundus*, B.-W. & B., described as new from Panama, VIII. **60**.

Culex sergenti, Theo. (see *C. apicalis*).

Culex serratus (see *Aëdes*).

Culex similis, Theo. (see *C. palus*).

Culex simplex, Tayl. (see *C. annulirostris*, Skuse).

Culex simpsoni, Theo., distribution of, in Africa, IV. **120**; in E. Africa, VIII. **164**.

Culex simulator, D. & K., in Trinidad, V. **60**.

Culex sinensis, Theo., in Hong Kong, III. **141**.

Culex sitiens, Wied. (*annulatus*, Tayl., *jepsoni*, Theo. (female), var. *milni*, Tayl., *microannulatus*, Theo., *paludis*, Tayl.), African species allied to, X. **153**; in E. Africa, VIII. **164**; in Australia, IV. **11, 60, 73, 183**, V. **67, 94**, VI. **74, 227**; in Ceylon, II. **70**,

142; in Fiji, IV. **41**, X. **76**; in Formosa, VI. **21**; in Hong Kong, III. **141**; in India, I. **79**, II. **155**, V. **39**; in Loyalty Islands, II. **34**; in Papua, III. **37**, **154**; in Philippines, VII. **193**; in Somaliland, II. **7**; transmitting *Filaria nocturna*, II. **155**; probably not a carrier of *Onchocerca gibsoni*, VI. **27**; rate of consumption of oxygen by larvae of, III. **70**; described as *C. paludis*, Tayl., sp. n., II. **12**.

Culex sollicitans (see *Aëdes*).

Culex (**Culiciomyia*) *spathifurca*, Edw., described as new from Borneo, III. **115**.

Culex spathipalpis, Rond. (see *Theobaldia longiareolata*).

Culex (**Melanoconion*) *spissipes*, Theo., in Brazil, VI. **90**; in Trinidad, V. **60**; in U.S.A., VIII. **187**.

Culex squamosus, Tayl. (*Leucomyia annulirostris*, Tayl.), in Queensland, IV. **60**; *Culex taylori* a synonym of, IX. **134**.

Culex sticticus (see *Aëdes*).

Culex stigmatosoma, Dyar, breeding-places of, in U.S.A., IV. **159**, VI. **87**.

Culex surinamensis, Dyar, described as new from Surinam, VII. **22**.

Culex taeniorhynchus (see *Aëdes*).

Culex (**Eubonnea* subgen. n.) *tapena*, Dyar, described as new from Dutch Guiana, VIII. **33**; breeding-places of, VIII. **33**.

Culex tarsalis, Coq., in U.S.A., IV. **159**, V. **125**, **161**, VI. **7**, **49**, **65**, **66**, **87**, **146**, VIII. **104**, **187**, IX. **72**; bionomics of, VI. **49**, **65**, **87**; control of, VI. **66**; seasonal prevalence of, V. **125**.

Culex taylori, Edw., n. n. proposed for *Leucomyia annulirostris*, IX. **134**; a synonym of *C. squamosus*, *q.v.*

Culex (**Choeroporpa*) *tecmarsis*, Dyar, described as new from Panama, VII. **22**.

Culex (**Chocroporpa*) *terebor*, Dyar, described as new from Dutch Guiana, VIII. **102**.

Culex territans, of German authors (see *C. hortensis* or *C. apicalis*).

Culex territans, H., D. & K. (see *C. apicalis*).

Culex territans, Wlk. (*restuans*, Theo.), in Canada, VII. **106**; in U.S.A., I. **119**, III. **128**, **213**, IV. **61**, **136**, **170**, V. **161**, VI. **65**, **66**, **87**, VIII. **14**, X. **82**, **93**, **130**; Microsporidia infesting, X. **82**; larva of, VIII. **14**; length of life of, X. **148**; breeding-places of, IV. **61**, **136**, **170**, VI. **65**, **87**, VII. **106**, X. **93**, **130**; synonymy of, VIII. **101**.†

Culex testaceus, Dyar (see *C. apicalis*).

Culex thalassius, Theo., in E. Africa, IV. **120**, VIII. **164**; in W. Africa, III. **190**, IV. **66**, **120**, V. **3**, **39**, **47**, VI. **38**, **47**, **225**, IX. **42**, X. **167**, **226**; breeding-places of, III. **190**, VI. **38**, **47**, IX. **42**; experiments with kerosene on larvae of, V. **57**.

Culex theileri, Theo. (see *C. tipuliformis*).

Culex thriambus, Dyar, described as new from U.S.A., IX. **72**; breeding-places of, IX. **72**.

Culex tigripes (see *Lutzia*).

Culex tipuliformis, Theo. (*theileri*, Theo.), in S. Africa, VIII. **9**, IX. **128** (*Anopheles* in error); in Egypt, III. **10**, VIII. **35**; in Mesopotamia, VIII. **111**; in Palestine, IX. **99**; new variety of, in Transvaal, I. **140**; breeding-places of, VIII. **9**, IX. **99**; distribution of, IV. **120**.

Culex (**Choeroporpa*) *tosimus*, Dyar, described as new from Dutch Guiana, VIII. **102**.

Culex (**Helcoporpa*) *trifidus*, Dyar, described as new from Costa Rica, IX. **206**.

Culex trifilatus, Edw., in E. Africa, V. **31**.

Culex tritaeniorhynchus, Giles, in W. Africa, VI. **16**, **39**, X. **167**, **226**; in Hong Kong, III. **141**; in Mesopotamia, VIII. **111**; in Palestine, IX. **194**; in Sumatra, IV. **23**; in Zanzibar, VI. **123**; breeding-places of, VI. **39**.

Culex univittatus, Theo., in W. Africa, III. **121**, IV. **66**, V. **45**, VIII. **12**; in Natal, IV. **120**; in Palestine, IX. **99**; in Spain, IV. **120**; breeding-places of, VIII. **12**.

Culex (**Carrollia*, *Melanoconion*) *urichi*, Coq., in Trinidad, V. **60**.

Culex usquatissimus, Dyar, in Panama, X. **96**; male genitalia of, X. **96**.

Culex usquatus, Dyar, described as new from Surinam, VII. **22**; male genitalia of, X. **96**.

Culex (**Choeroporpa*) *vapulans*, Dyar, described as new from Dutch Guiana, VIII. **102**.

Culex (**Choeroporpa*) *vaxus*, Dyar,

† Some of these possibly refer to *C. apicalis*, Adams.

described as new from Dutch Guiana, VIII. **102.**
Culex ventrilloni, Edw., described as new, VIII. **208**; in Madagascar, VIII. **208**, IX. **68**; *C. albigenu* a synonym of, IX. **67, 134.**
Culex vexans (see *Aëdes*).
Culex (*Leucomyia*) *vicinus*, Tayl. (*annulatus*, Tayl.), described as new, V. **67**; in Australia, IV. **60**, V. **67.**
Culex virgatipes, Edw., described as new from Hong Kong and Kashmir, III. **10, 141.**
Culex virgultus, Theo., in Venezuela, X. **62**; characters of, X. **55.**
Culex vishnui, Theo., IX. **134**; in Ceylon, II. **70**, X. **67**; in Hong Kong, III. **141**; in India, X. **77**; in Sumatra, IV. **23.**
Culex vittiger (see *Aëdes*).
Culex wahlgreni, Theo. (see *Aëdes geniculatus*).
Culex watti, Edw., described as new from Africa, VIII. **48.**
Culex (**Choeroporpa*) *xivylis*, Dyar, described as new from Dutch Guiana, VIII. **102.**
Culex (**Choeroporpa*) *ybarmis*, Dyar, described as new from Dutch Guiana, VIII. **102.**
Culex (**Melanoconion*) *zeteci*, Dyar, described as new from Panama Canal Zone, VII. **22.**
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Culicella, a subgenus of *Theobaldia*, *q.v.*
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Culicelsa albirostris (see *Aëdes*).
Culicelsa alboannulatus (see *Aëdes*).
Culicelsa annulirostris, Skuse (see *Culex sitiens*).
Culicelsa centropunctatus (see *Aëdes*).
Culicelsa consimilis (see *Culex*).
Culicelsa linealis (see *Taeniorhynchus*).
Culicelsa paludis (see *Culex*).
Culicelsa taeniorhynchus (see *Aëdes*).
Culicelsa togoi (see *Aëdes*).
Culicelsa vigilax (see *Aëdes*).
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* As the generic position of some of the species that have been described in this genus has not been determined, they have been left provisionally under this name.

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